

Ancillary Services

| Spring Creek Ancillary Services | |
|--|-----|
| Spinning Reserve | Yes |
| Non-Spinning Reserve | Yes |
| Replacement Reserve | Yes |
| Regulation/Load Following | Yes |
| Black Start | No |
| Voltage Support | Yes |

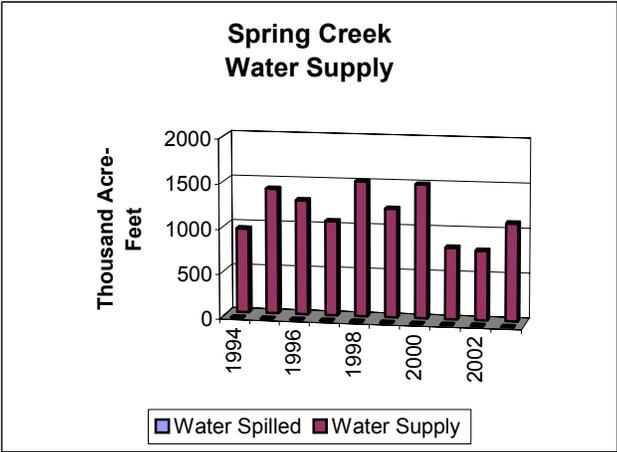
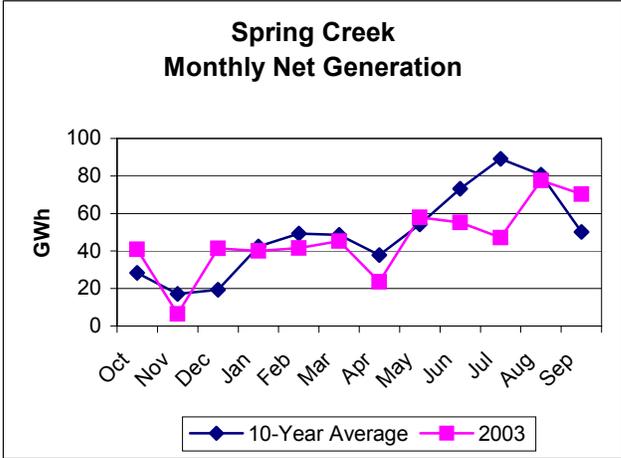
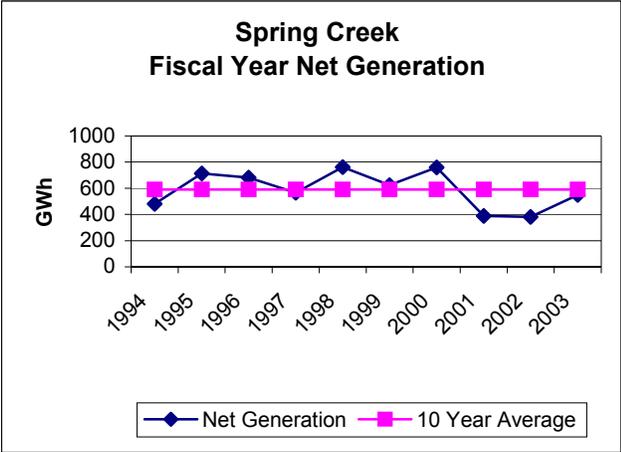
Generators

| Spring Creek Generators | | | |
|--------------------------------|-------------------|--------------------|------------------|
| Existing Number and Capacity | | | |
| Unit # | Original Capacity | Capacity Increased | Present Capacity |
| 1 | 75,000 | 15,000 | 90,000 |
| 2 | 75,000 | 15,000 | 90,000 |
| 2 Units | 150,000 | 30,000 | 180,000 |

The maximum operational capacity is 190,000 kW

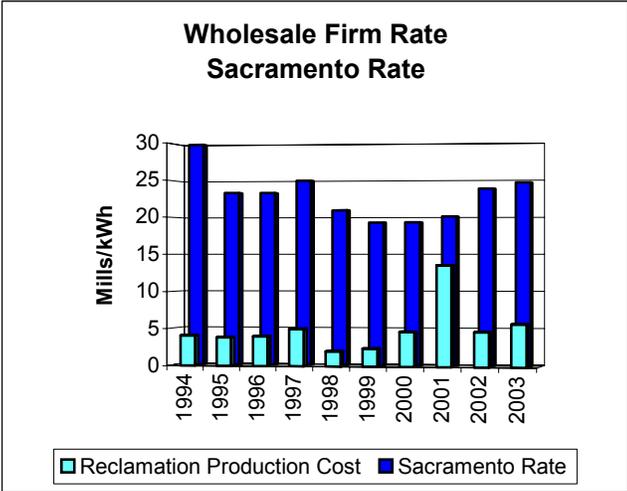
**Spring Creek Powerplant
100-500 MW**

Generation

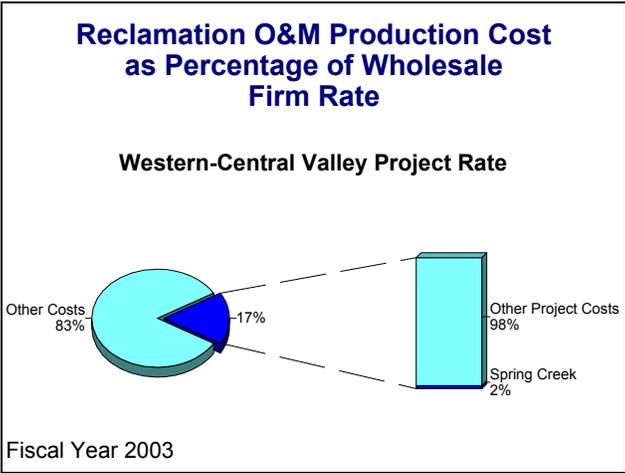


Prime Laboratory Benchmarks

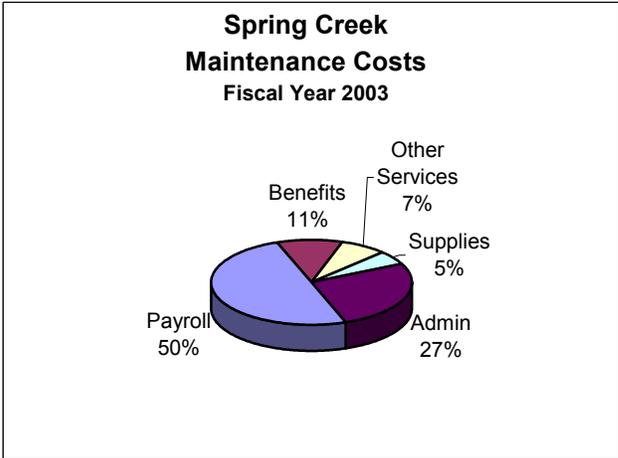
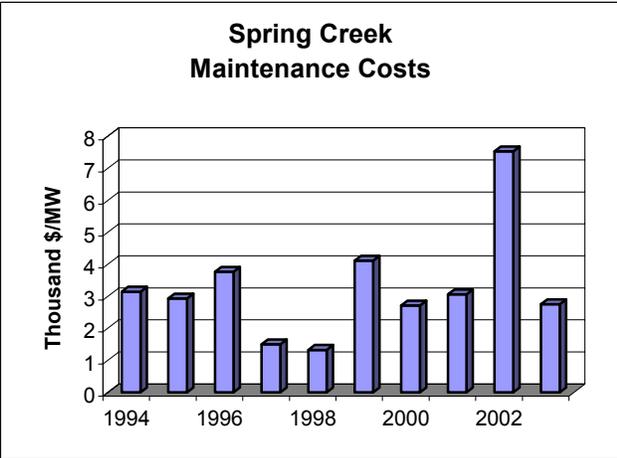
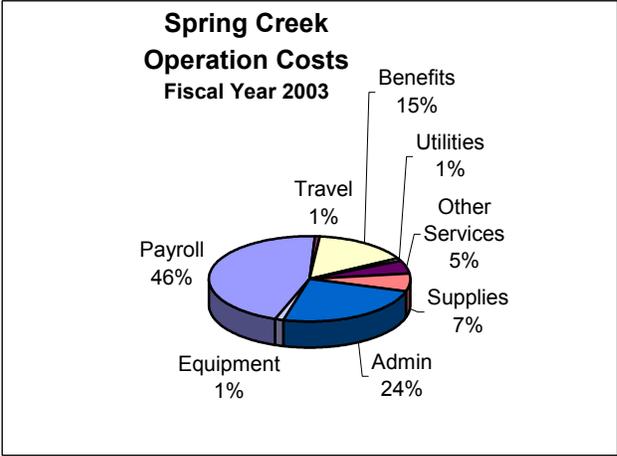
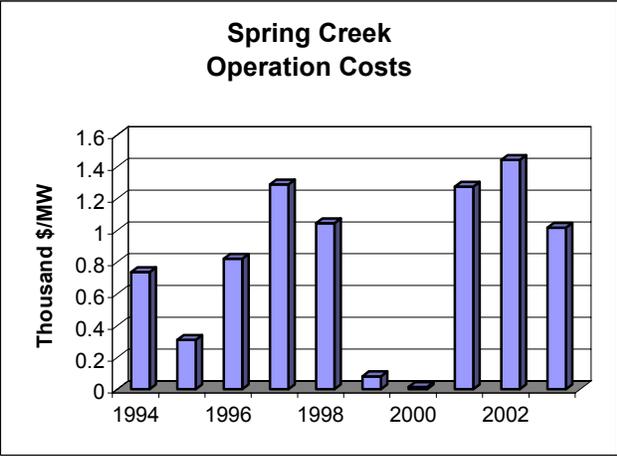
**Benchmark 1
Wholesale Firm Rate**



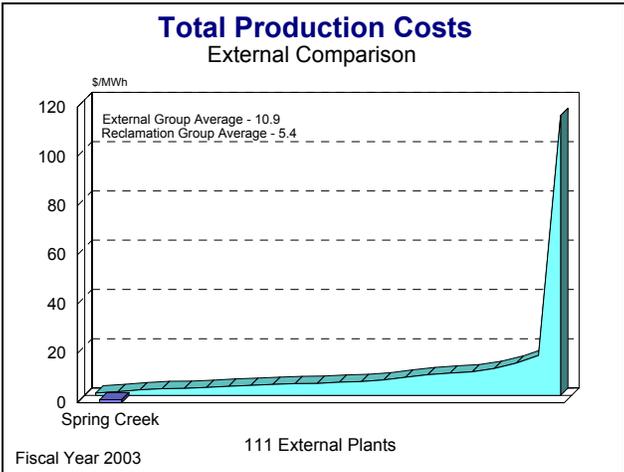
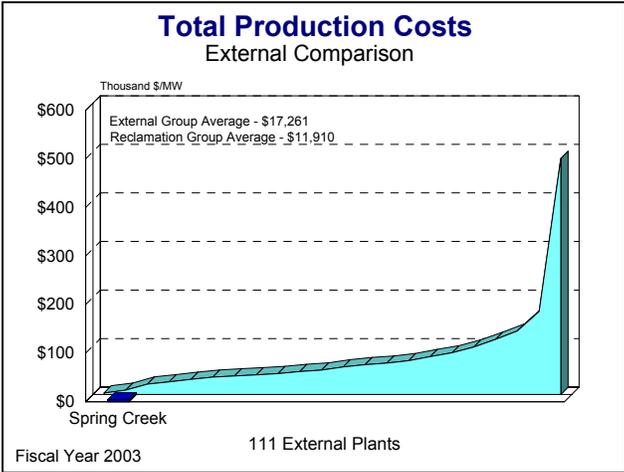
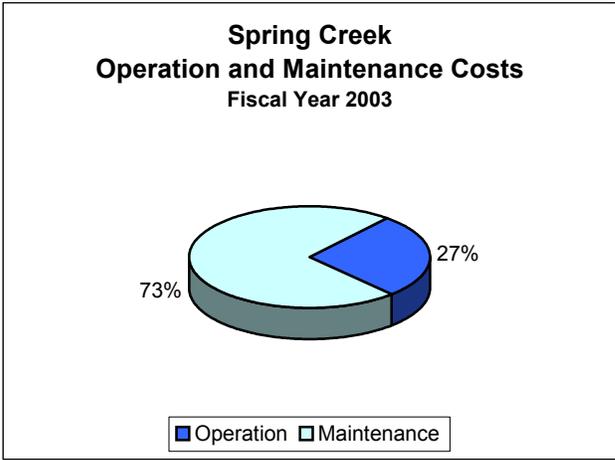
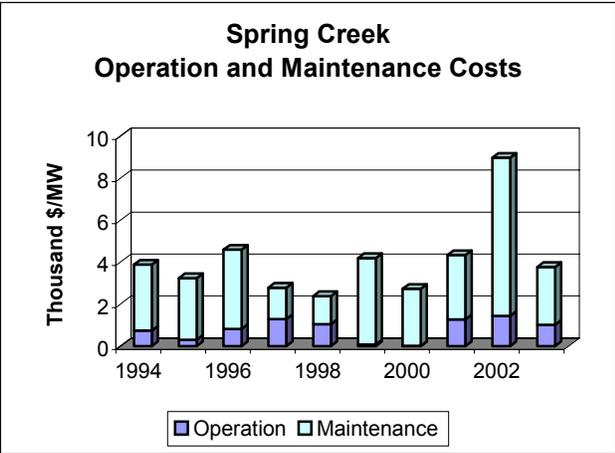
**Benchmark 2
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**



Benchmark 3
Production Cost

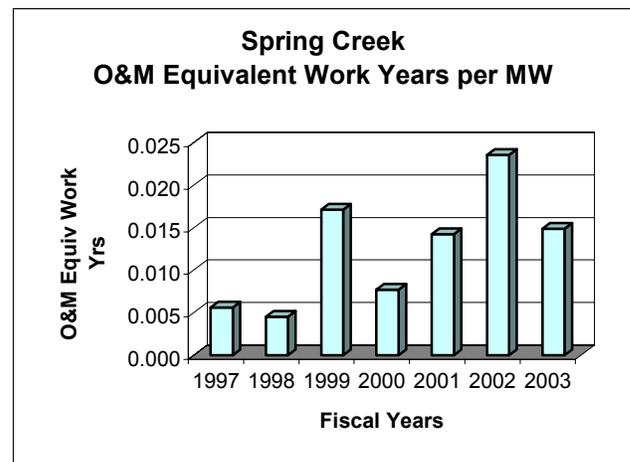
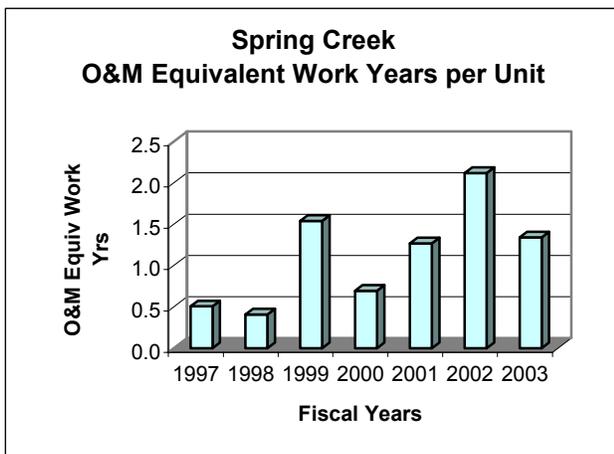
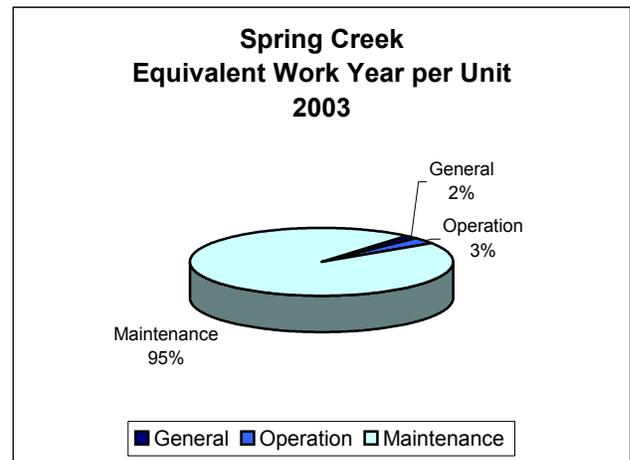
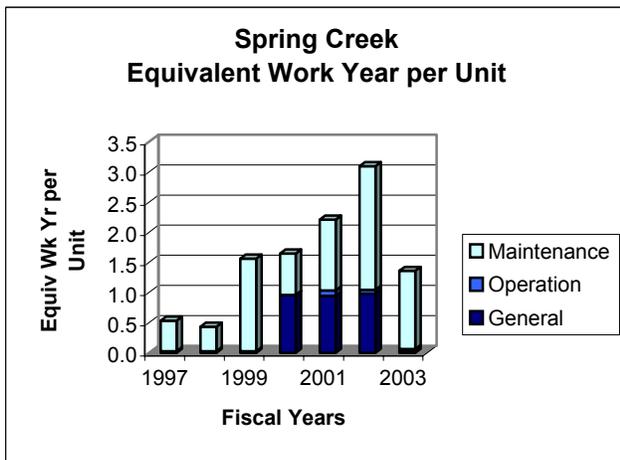


**Benchmark 3
Production Cost**

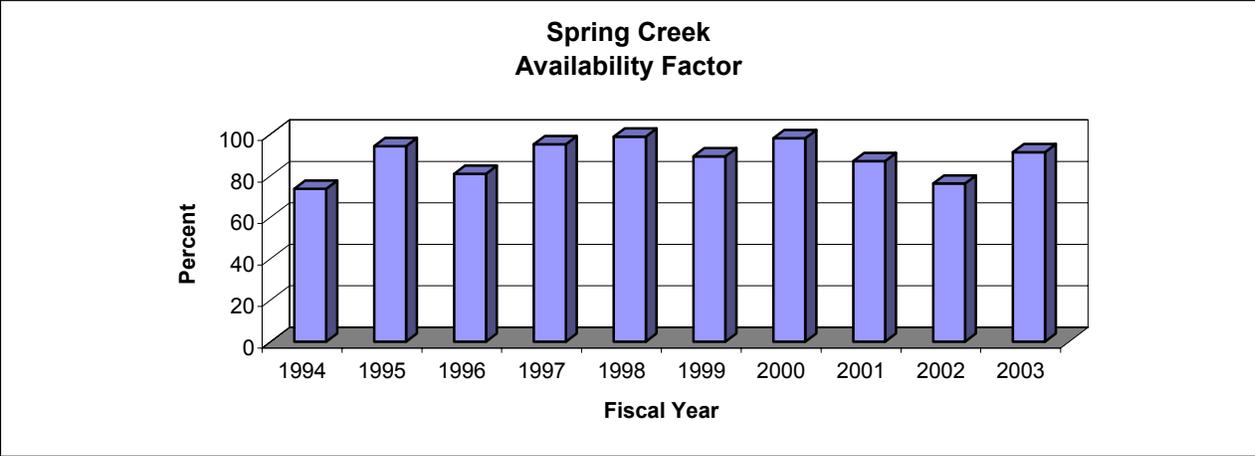


Benchmark 4
Workforce Deployment

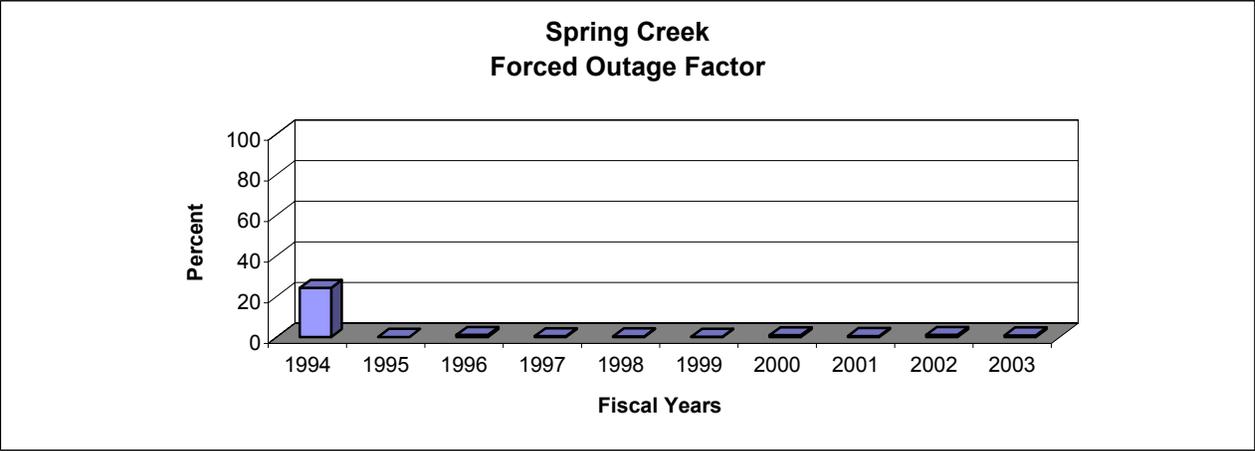
| Spring Creek 2003 Equivalent Work Year Levels | | | | | | |
|---|---------------------------------------|----------------|--|---|---|------------------------------------|
| | Equiv Work Year Charged to Powerplant | Leave Additive | Denver and Washington Equiv Work Year Additive | Total Equiv Work Year Allocated to Powerplant | Total Equiv Work year per Generating Unit | Total Equiv Work Year per Megawatt |
| General | 0 | 0 | 0.04 | 0.04 | 0.02 | 0.00 |
| Operation | 0.08 | 0.01 | 0 | 0.09 | 0.04 | 0 |
| Maintenance | 2.32 | 0.27 | 0 | 2.59 | 1.29 | 0.01 |
| Total Staffing | 2.4 | 0.28 | 0.04 | 2.72 | 1.36 | 0.02 |



**Benchmark 5
Availability Factor**

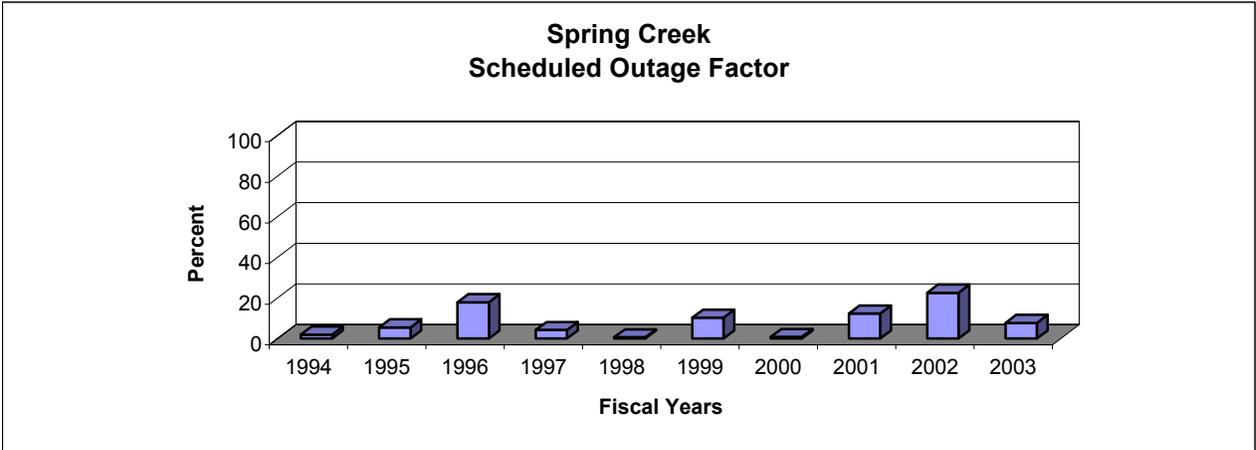


**Benchmark 6
Forced Outage Factor**



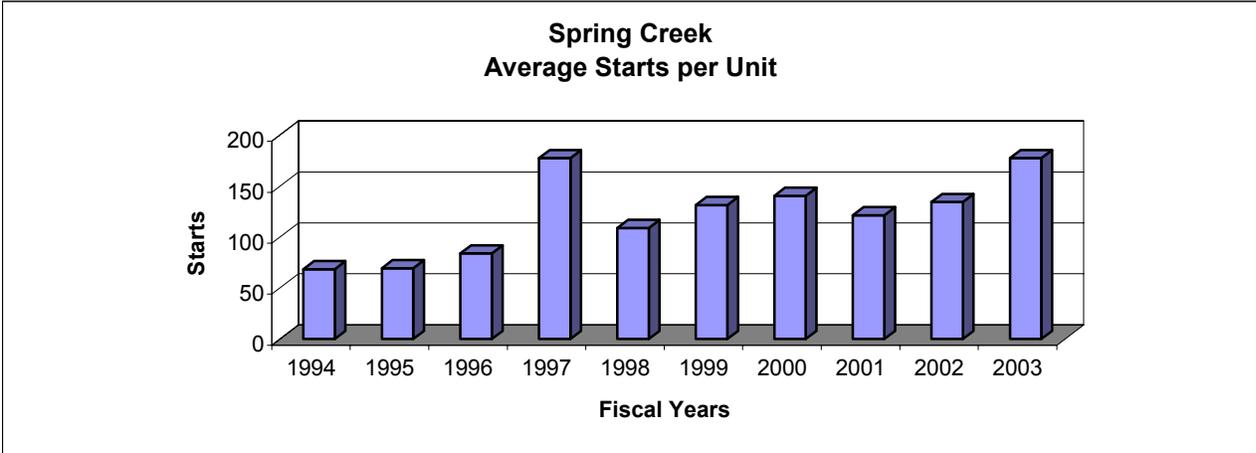
FY-94 - Unit breaker failed

**Benchmark 7
Scheduled Outage Factor**



FY-96 – Extended maintenance
FY-01 – Re-gasketed transformers
FY-01 and FY-02 – Re-gasketed transformers and installation of penstock flow meters.

Starts



Benchmark Data Comparison

| Fiscal Year 2003 | Spring Creek Powerplant | Reclamation Average 100-500 MW Group | Total Reclamation Average | Industry Average | Best Performers |
|--|-------------------------|--------------------------------------|---------------------------|------------------|-----------------|
| Wholesale Firm Rate Mills/kWh | 24.6 | Not Applicable | *23.1 | Not Available | Not Available |
| Production Cost as Percentage of Wholesale Firm Rate | 0.4% | Not Applicable | 12.0% | Not Applicable | Not Applicable |
| O&M Cost \$/MWh | 1.2 | 4.5 | 2.7 | 10.9 | 1.1 |
| O&M Costs \$/MW | 3,767 | 10,924 | 7,315 | 17,261 | 3,108 |
| O&M Equip Work Year per MW | 0.01 | 0.1 | 0.04 | Not Available | 0.01 |
| Availability Factor | 91.4 | 87.6 | 83.6 | **88.9 | 99.1 |
| Forced Outage Factor | 0.9 | 0.8 | 1.5 | **2.4 | 0.0 |
| Scheduled Outage Factor | 7.8 | 11.7 | 14.9 | **8.7 | 0.0 |

*Weighted by Net Generation
**2002 NERC Average

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